Performance Data Sheet

RGA5467CXD

General Information

Model	RGA5467CXD	**Refrigerant**	R-407C
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	1730	1580					
	Watts	311	321					
	Amps	1.37	1.45					
	Lb/h	25.2	23.3					
-10	Btu/h	2120	1950	1780				
	Watts	327	340	354				
	Amps	1.41	1.50	1.60				
	Lb/h	29.5	27.8	26.0				
-5	Btu/h	2530	2350	2160	1960			
	Watts	339	357	375	393			
	Amps	1.43	1.54	1.65	1.77			
	Lb/h	34.0	32.4	30.8	29.1			
0	Btu/h	2960	2760	2550	2340	2110		
	Watts	349	371	393	416	438		
	Amps	1.46	1.58	1.71	1.83	1.96		
	Lb/h	38.7	37.3	35.8	34.2	32.6		
5	Btu/h	3430	3200	2970	2730	2490		
	Watts	356	382	408	435	462		
	Amps	1.48	1.61	1.75	1.89	2.04		
	Lb/h	43.7	42.4	41.1	39.7	38.2		
10	Btu/h	3920	3660	3410	3150	2880	2610	2340
	Watts	360	391	421	452	482	514	545
	Amps	1.49	1.64	1.79	1.95	2.10	2.26	2.43
	Lb/h	49.1	47.9	46.6	45.3	44.0	42.6	41.1
15	Btu/h	4440	4160	3880	3590	3310	3010	2710
	Watts	362	397	431	466	501	536	571
	Amps	1.50	1.66	1.83	2.00	2.17	2.34	2.52
	Lb/h	54.9	53.7	52.6	51.3	50.1	48.8	47.5
20	Btu/h	5010	4700	4380	4070	3760	3440	3120
	Watts	362	401	439	477	516	556	595
	Amps	1.50	1.68	1.86	2.04	2.23	2.41	2.60
	Lb/h	61.1	60.0	58.8	57.7	56.5	55.3	54.1

25	Btu/h	5610	5270	4930	4580	4240	3890	3540
	Watts	360	402	444	487	530	573	616
	Amps	1.49	1.69	1.88	2.08	2.28	2.48	2.68
	Lb/h	67.8	66.6	65.5	64.4	63.3	62.2	61.0
30	Btu/h	6270	5890	5510	5130	4760	4380	4000
	Watts	356	402	448	494	541	588	635
	Amps	1.48	1.69	1.90	2.11	2.32	2.54	2.76
	Lb/h	74.9	73.8	72.7	71.6	70.5	69.4	68.3
35	Btu/h	6970	6550	6140	5730	5320	4910	4500
	Watts	350	400	449	499	550	601	652
	Amps	1.45	1.68	1.91	2.14	2.36	2.60	2.83
	Lb/h	82.7	81.5	80.3	79.2	78.1	77.1	76.0
40	Btu/h	7730	7270	6820	6370	5920	5480	5030
	Watts	343	396	449	503	557	611	666
	Amps	1.43	1.67	1.91	2.15	2.40	2.64	2.89
	Lb/h	91.0	89.7	88.5	87.4	86.3	85.2	84.1
45	Btu/h	8550	8050	7550	7060	6570	6090	5610
	Watts	334	391	447	505	562	620	679
	Amps	1.39	1.65	1.91	2.16	2.42	2.69	2.95
	Lb/h	100	98.6	97.3	96.1	94.9	93.8	92.7
50	Btu/h	9430	8880	8340	7810	7280	6760	6240
	Watts	324	384	444	505	566	628	690
	Amps	1.34	1.62	1.89	2.17	2.44	2.72	3.00
	Lb/h	110	108	107	105	104	103	102
55	Btu/h	10400	9780	9200	8610	8040	7480	6910
	Watts	312	376	439	504	568	634	699
	Amps	1.29	1.58	1.87	2.16	2.46	2.75	3.04
	Lb/h	120	118	117	115	114	113	111

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.463194E+03	1.735878E+02	5.171868E-01	4.879335E+01
C2	1.342664E+02	-4.785791E+00	-1.942759E-02	8.769539E-01
C3	-1.826241E+01	2.211127E+00	1.177038E-02	-1.214042E-01
C4	9.358333E-01	-4.206352E-02	-1.576224E-04	1.019203E-02
C5	-6.705839E-01	7.886001E-02	3.136418E-04	1.400034E-04
C6	4.546831E-03	-6.978963E-04	-4.329006E-06	4.122133E-05
C7	5.373085E-03	1.897484E-04	-3.680744E-07	5.523019E-05
C8	-5.053158E-03	-1.344307E-04	5.452624E-07	-5.158744E-05
C9	1.363869E-03	2.203134E-05	-2.118156E-07	1.381410E-05
C10	-1.301787E-04	5.368869E-06	5.511797E-08	-1.270442E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature